

Patent Abstracts of Japan

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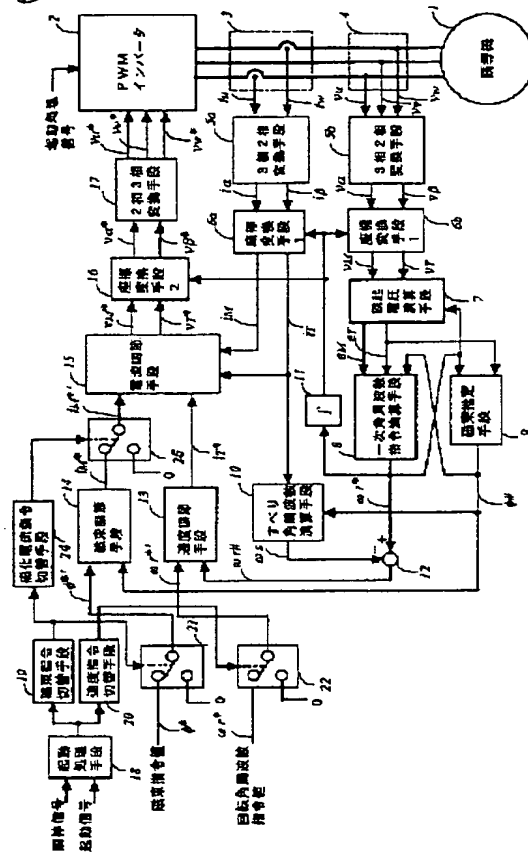
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TITLE : SPEED SENSORLESS VECTOR
CONTROL METHOD



ABSTRACT : PURPOSE: To provide a method for positively controlling the activation by controlling the speed sensorless vector of an induction motor or the re-activation when instantaneous power failure recovers.

CONSTITUTION: A selection switch 25 is provided between a magnetic flux adjustment means 14 of a speed sensorless vector controller and a current adjustment means 15, the output of the selection switch 25 is changed in a step signal shape from 0 to a current command value i_m^* by a magnetizing current command switch means 24 used to change over this switch 25 in T_1 second later after the output of a magnetic flux command switching means 19 is activated and is supplied to an induction motor 1 including an arbitrary frequency component, thus properly estimating the rotary speed of the induction motor 1.

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